



2874 #2
Patent
Case No.: 53709US033 5-26-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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First Named Inventor: BRENNAN, JAMES F. III
Application No.: 10/066524 Group Art Unit: Unknown
Filed: January 31, 2002 Examiner: Unknown
Title: FABRICATION OF CHIRPED FIBER BRAGG GRATINGS OF ANY DESIRED
BANDWIDTH USING FREQUENCY MODULATION

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:	
<u>MAY 16, 2002</u>	<u>Tom Sanders</u>
Date	Signed by: Tom Sanders

Dear Sir:

Pursuant to 37 CFR §§ 156, 197, and 1.98, enclosed is a completed Form PTO-1449 citing references submitted for consideration by the Examiner. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Respectfully submitted,

May 14, 2002
Date

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		L. A. Everall et al., "Flexible Fabrication of Long-Period In-Fiber Gratings", in CLEO '98, May 3-8, 1998, San Francisco, CA, <u>Friday Morning</u> , CFE2, pp. 513-514.
		E. M. Dianov et al., "Thermo-Induced Long-Period Fibre Gratings", in ECOC 97, 22-25 September 1997, Conference Publication No. 448, © IEE, 1997, pp 53-56.
		Ashish M. Vengsarkar et al., "Long-Period Fiber Gratings as Band-Rejection Filters", OPTICAL FIBER COMMUNICATION, OFC '95, pp. PD4-1 – PD4-5.
		Ashish M. Vengsarkar et al., "Long-Period Fiber Gratings as Band-Rejection Filters", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 14, No. 1, January 1996, pp. 58-65.
		D. Garth, et al., "System Performance of Practical Broadband Dispersion-Compensating Gratings", OFC '98 TECHNICAL DIGEST, Tuesday Afternoon, pp. 74-75.
		Nortel, Northern Telecom, "Dispersion Compensating Fibre Grating Module", DCG Series, Issue: 2 March 1998, Optoelectronics Catalog, pp. PB0030-31.
		Vikram Bhatia et al., "Long-Period Fiber Grating Sensors", in OPTICAL FIBER COMMUNICATION, OFC'96, Technical Digest, Vol. 2, pp. 265-266.
		A. M. Vengsarkar et al., "Long-Period Fiber Gratings as Gain-Flattening and Laser Stabilizing Devices", Conf. on Integrated Optics and Optical Fibre Communication, Technical Digest, Vol. 5, Post-deadline Papers, PD-1-2, pp. 3-4.
		A. M. Vengsarkar et al., "Long-Period Fiber-Grating-Based Gain Equalizers" OPTICS LETTERS, Vol. 21, No. 5, March 1, 1996, pp. 336-338.
		D. D. Davis et al., "CO ₂ Laser-Induced Long-Period Fibre Gratings: Spectral Characteristics, Cladding Modes and Polarisation Independence", ELECTRONICS LETTERS, 9 th July 1998, Vol. 34, No. 14, pp. 1416-1417.
		J. R. Qian and H. F. Chen, "Gain Flattening Fibre Filters Using Phase-Shifted Long Period Fibre Gratings", ELECTRONICS LETTERS, 28 th May 1998, Vol. 34, No. 11, pp. 1132-1133.
		L. Dong et al., "Long Period gratings Formed in Depressed Cladding Fibres", ELECTRONICS LETTERS, 23 rd October 1997, Vol. 33, No. 22, pp. 1897-1898.
		V. Bhatia and A. M. Vengsarkar, "Optical Fiber Long-Period Grating Sensors", OPTICS LETTERS, May 1, 1996, Vol. 21, No. 9,
		Lawrence R. Chen, et a., "Ultrashort Plse Reflection from Fiber Gratings: A Numerical Investigation", IEEE, Vol. 15, No. 8, August 1997, p. 1502-1512

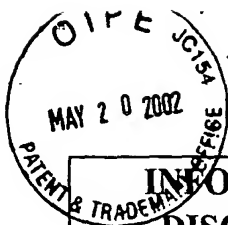
EXAMINER

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-FB-A820
(Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce



OMB No. 0651-0011

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.:	Serial No.:
53709US033	10/066524
Applicant(s): James F. Brennan, III and Dwayne L. LaBrake	
Filing Date: January 31, 2002	Group: Unknown

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
	5,066,133	11/19/91	M. J. Brienza	359	570	10/18/90
	5,104,209	04/14/92	Hill et al.	385	27	02/19/91
	5,104,590	04/14/92	K. Hill, et al.	385	27	02/19/91
	5,216,739	06/01/93	Hill et al.	385	123	12/20/91
	5,327,515	07/05/94	Anderson et al.	385	123	01/14/93
	5,388,173	02/07/95	Wm. H. Glenn	385	37	12/20/93
	5,499,134	03/12/96	Calvanauskas et al	359	333	08/24/94
	5,641,956	06/24/97	Vengsarker, et al.	250	227.14	02/02/96
	5,745,615	04/28/98	Atkins et al.	385	37	10/11/96
	6,174,648 B1	01/16/01	Y. Terao, et al.	420	321	07/02/98

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	SubClass	Translation	
						Yes	No
	EP 0 254 509	27.01.88	EPO	G02F	1/01	X	
	EP 0 793 123 A1	03.09.97	EPO	G02B	6/16	X	
	EP 0 836 102 A2	15.04.98	EPO	G02B	6/16	X	
	EP 0 840 146 A1	06.05.98	EPO	G02B	6/16	X	
	EP 0 843 186 A1	20.05.98	EPO	G02B	6/16	X	
	EP 0 855 605 A2	29.07.98	EPO	G-02B	6/124	X	
	GB 2 316 760 A	04.03.98	UK	G02B	6/00	X	
	WO97/22023	19.06.97	PCT	G02B	6/16	X	
	WO97/26570	24.07.97	PCT	G02B	6/16	X	
	WO 98./08120	26.02.98	PCT	G02B	6/16	X	

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

	B. Malo et al., "Point-by-Point Fabrication of Micro-Bragg Gratings in Photosensitive Fibre using Single Excimer Pulse Refractive Index Modification Techniques", in ELECTRONICS LETTERS, 2 nd September 1993, Vol. 29, No. 18, pp. 1668-1669.
	K. O. Hill et al., "Birefringent Photosensitivity in Monomode Optical Fibre: Application to External Writing of Rocking Filters", in ELECTRONICS LETTERS, 15 th August 1991, Vol. 27, No. 17, pp. 1548-1550.
	K. O. Hill et al., "Efficient Mode Conversion in Telecommunication Fibre Using Externally Written Gratings", in ELECTRONICS LETTERS, 2 nd August 1990, Vol. 26, No. 16, pp. 1270-1272.